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MONTANA OIL AND GAS
STATISTICAL BULLETIN

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Vol. XXVIII No. 8 — AUGUST, 1979

PRODUCTION STATUS

Production of crude oil and condensate from oil and gas areas of Montana for the month of August, 1979, averaged 84,159 barrels daily, an increase of 1,760 barrels from the average 82,449 production in July, 1979.

The six refineries in the state processed 134,061 barrels of crude oil daily for the month of August, 1979, a decrease of 4,976 barrels from the 139,037 barrels processed daily during the month of July, 1979.

During August, 38 wells were completed, 8 oil, 21 gas, and 9 dry holes.

During August, the board issued 122 permits to drill new wells, an increase of 20 from the 102 permits issued during July, 1979.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA MONTH OF AUGUST, 1979

IN STORAGE: AUGUST 1st	
By Producers	397,587
By Transporters	1,425,954
By Refiners	1,076,140
TOTAL STORAGE	2,899,681
Produced in Mont. During Month	2,608,941
Imported During Month	3,455,641
TOTAL	8,964,263
DISPOSITION	
Refined in Montana	4,243,309
Exported	1,856,244
Used For Fuel or Lost	4,996
TOTAL	6,104,549
IN STORAGE: AUGUST 31st.	
By Producers	402,216
By Transporters	1,468,780
By Refiners	988,718
TOTAL STORAGE	2,859,714

REFINERS MONTHLY REPORT AUGUST, 1979

Company	Beginning Storage	Montana Oil	N. Dakota Oil	Wyoming Oil	Canada Oil	Refined	Ending Storage
Continental Oil Co.	208,813	268,080	—	337,079	702,478	1,333,180	183,270
Exxon Company	263,919	57,028	—	923,016	340,147	1,369,950	214,160
Farmers Union	554,451	55,456	—	589,602	501,214	1,145,320	555,403
Kenco Refining	17,330	86,101	—	—	—	100,313	3,118
Philips Petroleum	7,278	130,856	—	—	62,105	192,145	8,094
Wesco Refining Co.	24,349	102,725	—	—	—	102,401	24,673
Totals	1,076,140	700,246	—	1,849,697	1,605,944	4,243,309	988,718

	AVERAGE BARRELS RECEIVED PER DAY					PERCENTAGE OF CRUDE OIL RECEIVED			
	Montana	N. Dakota	Wyoming	Canada	Total	Montana	N. Dakota	Wyoming	Canada
Year, 1978	24,240	190	47,982	58,545	130,957	18.51%	.14%	36.64%	44.71%
August, 1978	28,485	14	53,214	59,320	141,033	20.20%	.01%	37.73%	42.06%
August, 1979	22,589	—	59,668	51,804	134,061	16.85%	—	44.51%	38.64%

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Leases	Field	No of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
1	Anvil	1	1,301	2,396	2,909	—	788
5	Arch Apex	6	1,935	1,802	1,761	—	1,976
2	Ash Creek	3	408	770	762	—	416
1	Bainville	1	3,204	147	—	—	3,351
1	Bainville, West	1	1,058	719	998	—	779
5	Bannatyne	11	334	233	233	—	334
5	Bears Den	6	2,247	723	845	—	2,125
15	Bell Creek	158	13,083	445,822	438,052	6,121	14,732
—	Benrud	—	124	—	—	—	124
3	Benrud, East	3	1,607	11,602	11,362	—	1,847
1	Benrud, Northeast	1	1,297	790	1,218	—	869
1	Berthelote	1	295	114	—	—	409
2	Big Gully	2	297	582	683	—	196
1	Big Gully, North	1	542	604	855	7	284
2	Big Muddy Creek	2	1,563	4,999	4,959	—	1,603
5	Big Wall	11	1,018	8,513	8,721	—	810
1	Big Wall, North	1	151	105	—	—	256
1	Blackfoot	6	709	1,516	1,597	—	628
1	Blue Hill	1	1,300	1,592	2,205	—	687
5	Border	9	937	1,136	993	—	1,080
1	Boulder	1	1,138	663	1,462	(15)	354
1	Bowes	56	3,912	11,462	11,725	—	3,649
2	Bradley	2	513	596	597	—	512
1	Brady	1	—	219	219	—	—
2	Breed Creek	5	1,152	13,049	13,115	—	1,086
6	Brorson-Madison	6	2,152	3,524	3,838	—	1,838
3	Brorson-Red River	3	4,903	1,977	1,958	—	4,922
4	Brorson-Red River, South	4	3,049	7,048	7,331	—	2,766
5	Brush Lake	5	852	6,282	5,735	—	1,399
2	Burns Creek	2	781	1,694	1,468	—	1,007
2	Cabin Creek	81	—	135,519	135,519	—	—
2	Canal	2	1,200	1,885	1,910	—	1,175
2	Carlyle	2	193	4,505	3,295	193	1,210
10	Cat Creek	60	2,044	7,783	7,604	397	1,826
3	Charlie Creek	3	1,343	12,588	11,860	—	2,071
—	Clark's Fork	—	26	—	—	—	26
—	Clark's Fork, North	—	1,033	—	—	—	1,033
1	Clark's Fork, South	1	781	282	—	—	1,063
6	Clear Lake	9	4,568	22,111	23,505	—	3,174
1	Colored Canyon	1	440	4,656	4,546	—	550
1	Conrad, South	1	90	214	214	—	90
1	Cow Creek	1	270	369	351	—	288
9	Cow Creek, East	11	4,011	13,974	12,577	—	5,408
—	Crane	—	—	—	(854)	—	854
2	Culbertson	2	1,323	5,303	4,677	—	1,949
7	Cupton	9	5,654	7,252	8,767	—	4,139
92	Cut Bank	937	33,432	129,386	129,203	54	33,561
1	Dagmar	2	915	5,991	6,163	—	743
1	Dean Dome	1	523	715	607	—	631
1	Deer Creek	1	270	548	434	—	384
1	Delphia	1	129	68	—	—	197
—	Devils Basin	—	114	—	—	—	114
6	Dry Creek	6	555	1,774	1,674	—	655
1	Dry Creek, West	1	422	771	771	—	422
2	Dwyer	10	3,999	11,698	12,041	—	3,656
2	Eagle	2	764	2,002	1,827	—	939
3	Elk Basin	55	528	90,434	90,417	—	545
2	Elk Basin, Northwest	4	1,406	1,273	1,552	—	1,127
1	Enid, North	1	692	1,677	1,874	—	495
4	Fairview	8	8,164	14,019	15,518	—	6,665
1	Fertile Prairie	1	504	589	428	—	665
3	Flat Coulee	19	1,907	12,187	12,391	—	1,703
7	Flat Lake	50	2,746	46,061	46,080	—	2,727
4	Flat Lake, South	4	1,082	2,881	2,436	—	1,527
2	Fort Gilbert	3	924	1,843	1,865	—	902
1	Four Mile Creek	1	636	1,784	1,710	—	710
1	Four Mile Creek, West	2	2,908	6,508	7,630	—	1,786
1	Fox Creek	1	620	2,430	2,043	—	1,007
1	Fox Creek, North	1	1,517	65	—	—	1,582
1	Frannie	1	—	434	434	—	—
12	Fred and George Creek	34	5,689	34,166	33,713	25	6,117
1	Frog Coulee	1	571	4,787	4,886	—	472
1	Froid, South	1	463	107	—	—	570
—	Gage	—	40	—	—	—	40
3	Gas City	12	681	9,812	1,188	—	9,305
—	Girard	—	1,275	—	—	1026	249
11	Glendive	14	1,067	15,075	13,364	—	2,778
—	Golden Dome	—	331	—	—	—	331
12	Goose Lake	31	3,835	19,677	20,343	(83)	3,252
10	Graben Coulee	37	4,084	3,355	3,254	7	4,178
1	Grandview, East	1	128	226	234	—	120
2	Gumbo Ridge	4	735	3,747	3,899	—	583
5	Gypsy Basin	10	1,310	1,865	1,244	143	1,788
1	Hay Creek-Mission	1	382	766	962	—	186
2	Hay Creek-Red River	2	1,857	2,385	2,694	—	1,548
4	Hiawatha	4	1,935	3,245	3,182	—	1,998
1	Hibbard	1	1,062	27	—	—	1,089
9	High Five	14	3,281	17,188	17,748	49	2,672
1	Highview	1	24	5	—	—	29
1	Horse Creek	1	352	98	—	203	247
2	Howard Coulee	2	1,119	1,058	1,626	—	551
4	Ivanhoe	9	1,294	1,088	1,389	—	993
1	Jackass Butte	1	514	453	—	514	453
2	Jim Coulee	14	3,010	16,699	16,552	—	3,157
6	Keg Coulee	18	5,373	6,555	8,205	28	3,695
3	Keg Coulee, North	3	1,238	1,491	1,528	9	1,192
1	Kelley	3	572	856	873	—	555
111	Kevin Sunburst	515	13,669	29,879	30,591	102	12,855
1	Laird Creek	9	1,000	1,672	2,151	—	521
2	Laurel	4	—	245	—	—	245
5	Leary	5	2,288	1,642	2,184	26	1,720
2	Little Beaver	23	402	34,596	34,593	3	402
2	Little Beaver, East	10	1,786	11,358	11,148	—	1,996
15	Little Wall Creek	19	4,910	18,414	19,119	104	4,101
1	Lodge Grass	1	480	576	457	—	599

PRODUCERS' REPORT — MONTH OF AUGUST, 1979 (CONTINUED)

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
2	Lone Butte	2	464	2,463	2,180	—	747
6	Lonetree Creek	7	3,692	18,237	18,181	—	3,748
1	Long Creek	1	324	468	484	—	308
2	Long Creek, West	2	799	4,843	4,893	—	749
3	Lookout Butte (Coral Creek)	31	1,200	55,539	56,237	2	500
8	Mason Lake	13	1,818	14,237	14,605	—	1,450
1	Mason Lake, North	1	176	118	220	—	74
1	McCabe	1	441	2,006	1,990	—	457
4	Medicine Lake	5	2,127	25,748	24,970	—	2,905
4	Melstone	9	1,771	12,061	12,806	—	1,026
1	Mineral Bench	1	566	413	413	—	566
2	Miners Coulee	2	349	326	—	—	675
21	Mon Dak West	21	14,645	117,440	114,545	239	17,301
9	Monarch	14	3,768	10,667	10,829	—	3,606
3	Mosser	10	—	498	498	—	—
1	Nohly	2	446	5,577	4,873	—	1,150
1	North Fork	2	474	3,255	2,681	—	1,048
2	Otis Creek	2	2,439	3,328	3,261	—	2,506
5	Outlook	5	1,954	16,306	15,342	—	2,918
1	Outlook, South	1	638	615	810	—	443
1	Outlook, West	1	1,652	279	357	—	1,574
1	Oxbow	1	1,287	5,661	5,613	—	1,335
1	Pelican	1	740	1,300	2,024	—	16
1	Pennel	114	924	273,767	273,841	—	850
1	Pete Creek	1	138	333	405	—	66
2	Phantom	3	1,524	2,328	2,004	—	1,848
4	Pine	99	13,712	188,950	189,328	(23)	13,357
—	Pine, East	—	429	—	—	—	429
71	Pondera	299	7,508	23,633	24,525	211	6,405
1	Pondera Coulee	1	—	211	211	—	—
6	Poplar	68	7,470	19,191	20,916	—	5,745
10	Poplar, Northwest	15	4,011	10,052	10,564	—	3,499
1	Prairie Elk	1	626	683	712	—	597
1	Prichard Creek	4	594	484	702	—	376
1	Putnam	2	357	2,457	2,442	—	372
8	Putnam, East	8	3,308	24,742	25,028	—	3,022
2	Rabbit Hills	2	2,486	3,150	3,634	—	2,002
9	Ragged Point	21	4,369	3,413	4,547	4	3,231
1	Rattler Butte	1	337	1,221	1,291	—	267
2	Rattlesnake Coulee	2	1,070	218	463	—	825
2	Raymond	5	1,664	20,434	20,106	—	1,992
1	Raymond, Northeast	1	476	890	851	—	515
4	Reagon	59	128	25,437	25,284	—	281
1	Red Creek	19	—	6,693	6,693	—	—
1	Red Fox	1	164	259	—	—	423
1	Redstone	1	313	854	716	—	451
1	Repeat	1	242	866	873	—	235
2	Reserve	2	2,533	3,619	2,721	—	3,431
2	Richey	3	520	2,782	2,644	—	658
1	Richey, Southwest	4	601	420	433	—	588
1	Ridgelawn	1	369	2,378	2,110	—	637
2	RipRap Coulee	2	821	1,142	1,410	—	553
1	Rocky Point	1	550	1,812	1,558	—	804
1	Roscoe Dome	1	80	318	387	—	11
4	Rosebud	4	1,227	1,770	1,527	—	1,470
1	Rudyard	1	258	80	231	—	107
1	Rush Mountain	1	553	1,727	1,853	—	427
2	Salt Lake	3	489	1,937	1,852	—	574
2	Sand Creek	4	318	943	943	—	318
4	Second Creek	4	1,123	7,641	7,214	—	1,550
2	Sheepherder	2	483	453	211	2	723
1	Shotgun Creek, North	1	188	1,285	1,037	—	436
13	Sidney	13	5,591	21,155	21,724	—	5,022
1	Singletree	1	1,168	3,197	4,186	—	179
7	Sioux Pass	7	4,540	13,803	13,541	—	4,802
—	Sioux Pass, East	—	138	—	—	—	138
4	Sioux Pass, Middle	4	2,517	14,166	13,648	—	3,035
6	Sioux Pass, North	6	4,943	15,919	15,634	—	5,228
1	Snyder	3	640	525	400	—	765
10	Soap Creek	26	1,194	4,831	4,664	—	1,361
2	Soap Creek, East	3	619	1,365	1,570	—	414
3	South Fork	3	1,070	13,358	12,130	—	2,298
1	Spring Lake	2	1,140	787	893	—	1,034
1	Stensvad	3	3,930	540	1,678	—	2,792
30	Sumatra	101	11,316	107,706	110,192	66	8,764
3	Sunnyhill	3	882	1,817	2,071	—	628
—	Tippy Buttes	—	56	—	—	—	56
5	Tule Creek	5	2,251	11,033	11,216	—	2,068
1	Tule Creek, East	1	1,091	803	646	—	1,248
1	Tule Creek, South	1	872	534	407	—	999
4	Utopia Swift	13	1,193	5,654	5,616	—	1,231
15	Vaux	15	8,206	27,187	25,232	—	10,161
—	Vida	—	202	—	74	4	124
5	Volt	6	2,348	7,664	7,121	—	2,891
1	Wagon Box	1	315	155	220	—	250
1	Weed Creek	1	265	750	222	—	793
2	Weldon	2	1,655	1,906	1,759	—	1,802
1	West Butte	1	339	954	1,052	—	241
29	Whitlash	71	13,302	13,587	14,591	(104)	12,402
1	Whitlash, West	1	416	239	235	—	420
3	Willow Creek, North	3	468	660	506	—	622
1	Willow Ridge	3	—	398	398	—	—
3	Wills Creek, South	3	—	3,054	3,054	—	—
2	Winnett Junction	6	460	8,050	8,031	—	479
3	Wolf Springs	4	1,022	1,996	1,615	—	1,403
—	Womans Pocket	—	271	—	—	—	271
2	Woodrow	2	507	1,122	1,124	—	505
2	Wright Creek	3	1,527	737	1,267	—	997
—	Wildcat, McCone County	—	52	—	—	—	52
12	Wildcat, Richland County	12	7,384	38,189	34,444	—	11,129
3	Wildcat, Sheridan County	3	3,412	19,704	20,894	—	2,222
1	Wildcat, Teton County	1	—	67	67	—	—
—	Wildcat, Toole County	—	200	—	—	—	200
926	TOTALS	3,640	397,587	2,608,941	2,594,998	9,314	402,216

See back page for oil production, shipping and storage summaries.

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA AT 14.73 PSIA AND 60°F. —MONTH OF AUGUST, 1979

Field	MC. FT.
NATURAL.	
Alma	543
Arch Apex	14,387
Badlands	31,913
Battle Creek	283,262
Bear's Den	3,290
Big Coulee	42,499
Big Rock	35,717
Black Coulee	3,504
Blackjack	19,967
Bowdoin & Area	282,343
Bowes	85,592
Brown's Coulee	150
Bullwacker & Area	79,686
Canadian Coulee & Area	50,979
Cedar Creek	135,401
Chain Lakes	2,819
Chip Creek	1,927
Clark's Fork, North	203
Coal Coulee	5,412
Cut Bank	133,964
Dry Creek	96,600
Dry Creek, Middle	3,661
Dunkirk North	33,297
East Chinook	2,555
Flat Coulee	3,412
Fred & George	17,693
Fresno & Area	6,242
Gold Butte	—
Grandview	22,433
Gypsy Basin	183,748
Hardin	3,750
Haystack Butte	14,464
Highview	4,496
Keith Block	28,236
Kevin Sunburst	30,075
Kevin Sunburst Nisku & Area	25,234
Kicking Horse	17,533
Kinyon Coulee Area	1,000
Lake Basin	44,779
Ledger	30,184
Leroy	75,299
Liscom Creek	17,574
Lohman	10,255
Marias River	32,489
Middle Butte	4,715
Miners Coulee	37,583
Mt. Lilly	814
Phantom	52,116
Plevna	2,402
Prairie Dell	68,542
Pumpkin Creek	6,032
Rapelje	15,165
Rocky Boy Area	10,171
Rudyard	68,998
Sage Creek	1,200
Sawtooth Mountain & Area	44,136
Sherard	69,814
Snoose Coulee	9,681
South Devon	11,449
Strawberry Creek Area	3,536
Swanson Creek	2,004
Three Mile	1,484
Tiger Ridge	1,379,797
Trail Creek	—
Utopia	—
West Butte	—
Whitlash	66,824
Willow Ridge	19,019
TOTAL NATURAL GAS	3,794,050

Field	MC. Ft.
ASSOCIATED:	
Bell Creek	24,183
Big Muddy Creek	2,769
Blue Hill	1,587
Cabin Creek	20,896
Charlie Creek	—
Clark's Fork South	5,039
Culbertson	9,318
Eagle	371
Elk Basin	9,588
Fairview	22,270
Four Mile Creek	1,559
Four Mile Creek, West	5,205
Glendive	—
Lookout Butte (Coral Creek)	4,181
Mon Dak West	71,209
Otis Creek	1,878
Pennel	8,106
Pine	10,148
Richland	69,018 *
Single Tree	4,072
Sioux Pass	34,598
Sioux Pass, East	—
Sioux Pass, Middle	7,849
Sioux Pass, North	15,861
Sumatra	—
Tule Creek	710
Vaux	—
TOTAL ASSOCIATED GAS	330,415
TOTAL WITHDRAWALS	4,124,465

Total withdrawals for August, 1978 were 3,748,352 MCF.

*Includes such fields as Benrud, Brorson, Ft. Gilbert, Hay Creek, Lone Butte, Lone Tree, Red Fox & Second Creek.

Total oil produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1978	30,467,337	83,472	30,316,941	83,060
1st Quarter, 1979	6,992,797	77,698	7,014,545	77,939
2nd Quarter, 1979	7,450,412	81,873	7,448,554	81,852
July, 1979	2,555,932	82,449	2,553,673	82,377
August, 1979	2,608,941	84,159	2,594,998	83,710

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage	Total In Storage
December	428,559	1,432,743	935,266	2,796,568
March, 1979	403,818	1,425,052	860,312	2,689,182
June, 1979	397,439	1,478,422	906,150	2,782,011
July, 1979	397,587	1,425,954	1,076,140	2,899,681
August, 1979	402,216	1,468,780	988,718	2,859,714